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Kaufman et al.

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(54) **VIRTUAL LASER PROJECTION SYSTEM AND METHOD**

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(58) **Field of Classification Search**

CPC G01B 11/00; G01C 3/08

See application file for complete search history.

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(57) **ABSTRACT**

A virtual laser projection system and method includes one or more measuring laser projectors, one or more non-measuring laser projectors, an array of reference targets, and a computing system. The one or more measuring laser projectors and one or more non-measuring laser projectors operate under common control of the computing system to register their respective locations using the array of reference targets, detect and locate features of a work object to be illuminated, convert all location information into a common coordinate system, and illuminate the work object with laser light beams using the common coordinate system.

20 Claims, 9 Drawing Sheets